

CLAIMS

- 5 1. A glass container forming system comprising
a blow station including a blow mold for receiving a
parison,
a blowhead mechanism for transforming the parison
into a blown parison in the blow mold,
10 blow mold cooling means for simultaneously cooling
the inner and outer surfaces of said blown parison to form
a bottle in the blow mold,
a conveyor for receiving formed bottles,
takeout means including
15 gripper means for gripping the formed bottle,
first displacement means for delivering the
gripped bottle sequentially to a deadplate location, then
to a conveyor location proximate the conveyor, and then to
a deposit location over the conveyor, and
20 takeout cooling means for cooling the inner sur-
face of a gripped bottle so that the gripped bottle can be
internally cooled from the time the bottle is gripped
until the bottle is deposited on the conveyor, and
deadplate means including can means for
25 enclosing a gripped bottle,
second displacement means for displacing said
deadplate means from a remote location to the deadplate
location where the can means can enclose the gripped
bottle, and then to the conveyor location,
30 cooling means for supplying cooling air to said
can means for cooling the outer surface of the enclosed
bottle from the deadplate location until the gripped
bottle is displaced from the conveyor location to the
deposit location.

2. A glass container forming system according to claim 1,
wherein said can means comprises

5 a can including a door displaceable from an open
position to allow entry of a gripped bottle to a closed
position enclosing a gripped bottle, and

 third displacement means for displacing the door
to a closed position at the deadplate location to enclose
10 a gripped bottle and to the open position at the conveyor
location so that the enclosed bottle can be removed from
the can.